

Workstream 2 (technical information model)

Proposal for the creation of a common
information model, based on community
principles and best practices



With financial support from the
Civil Justice Programme of the European Union

- Tender process (select an IT company)
- Define an Information model
- Set up an XSD (XML schema definition)
- Set up a WSDL (XML for interfaces of webservices/ transfer portal)



(already) a common denominator?

Quick scan on the (many) national defined
information models & output formats







Towards a common denominator ?

- Most countries, but not all:
 - Information by electronic means;
 - form of excerpts not established in law;
 - present info in another way is technical issue;
 - certified AND uncertified information;
 - opening with a parcel or a person;
- ABC seems a good structure!
- Property identifier ! (Cadastral/ LR number)



Diversity means...

- Support all kinds of search entries;
- Support real & person folio;
- Support payments of fees;
- Different organisations within one MS;
- Open data regimes vs. legitimate interest;
- Different output (uncert. & certified);

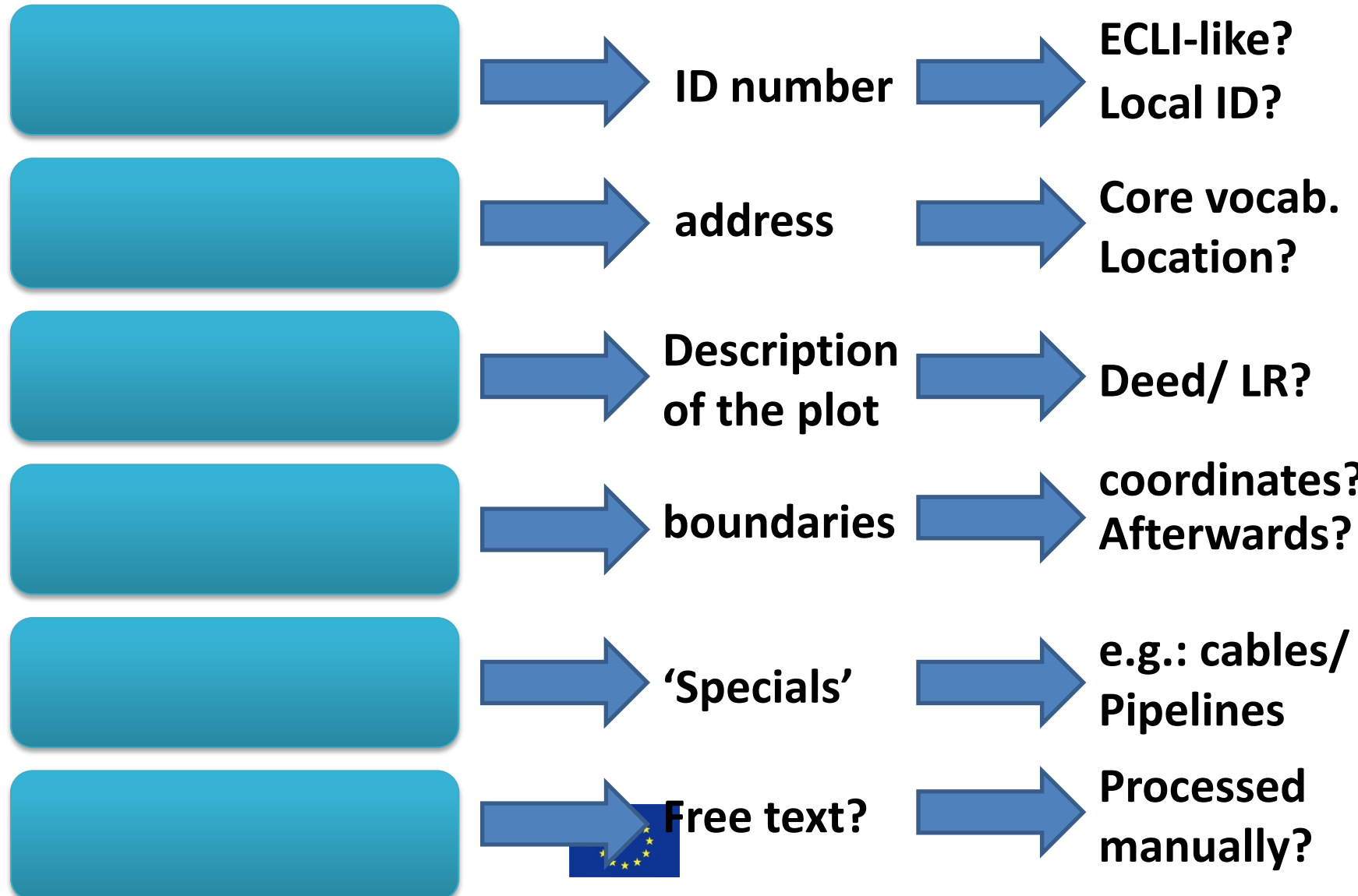


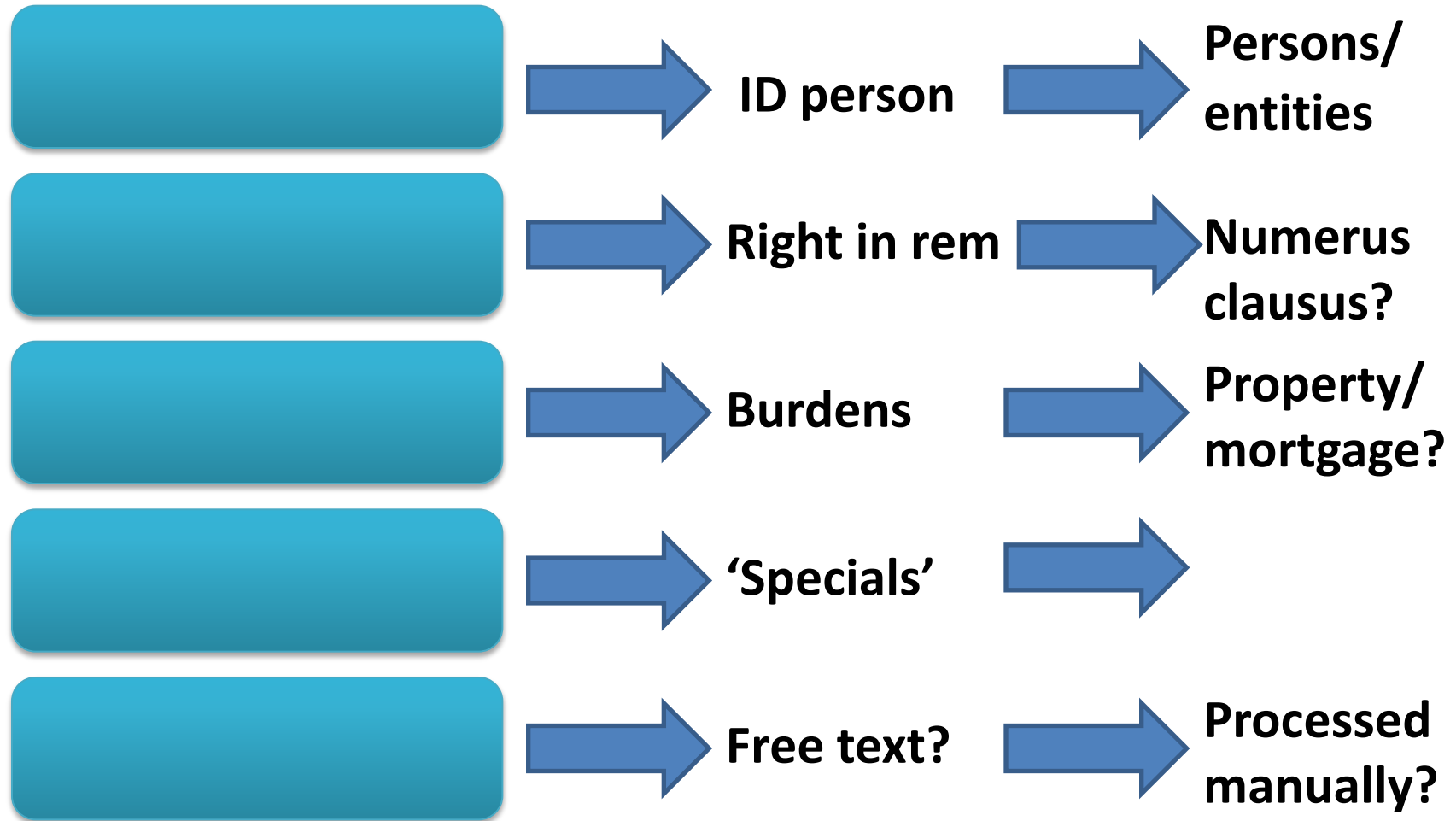
**Description
of the
property**

ownership

**Mortgage &
other
burdens**

Free texts?



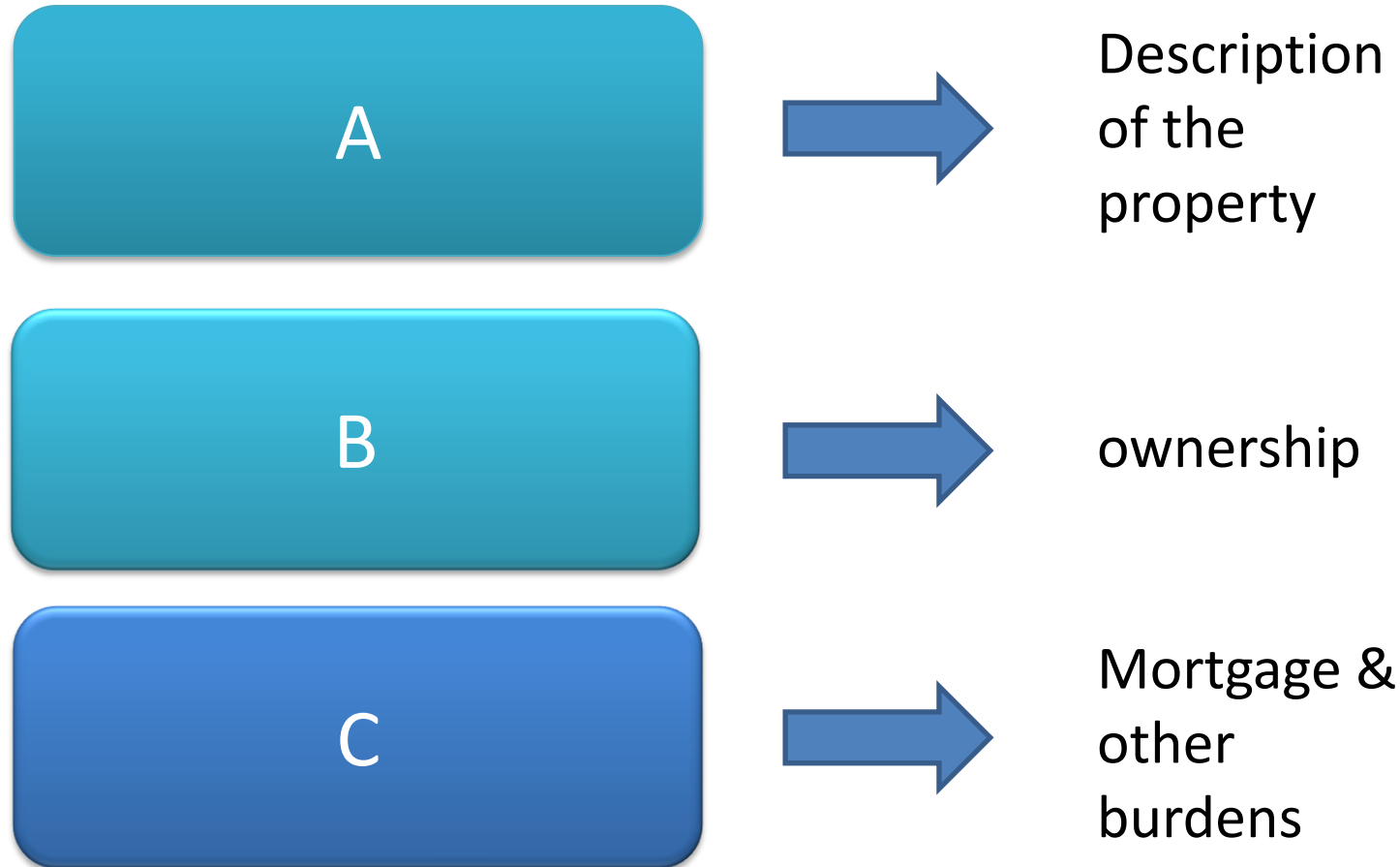


Technology proposal

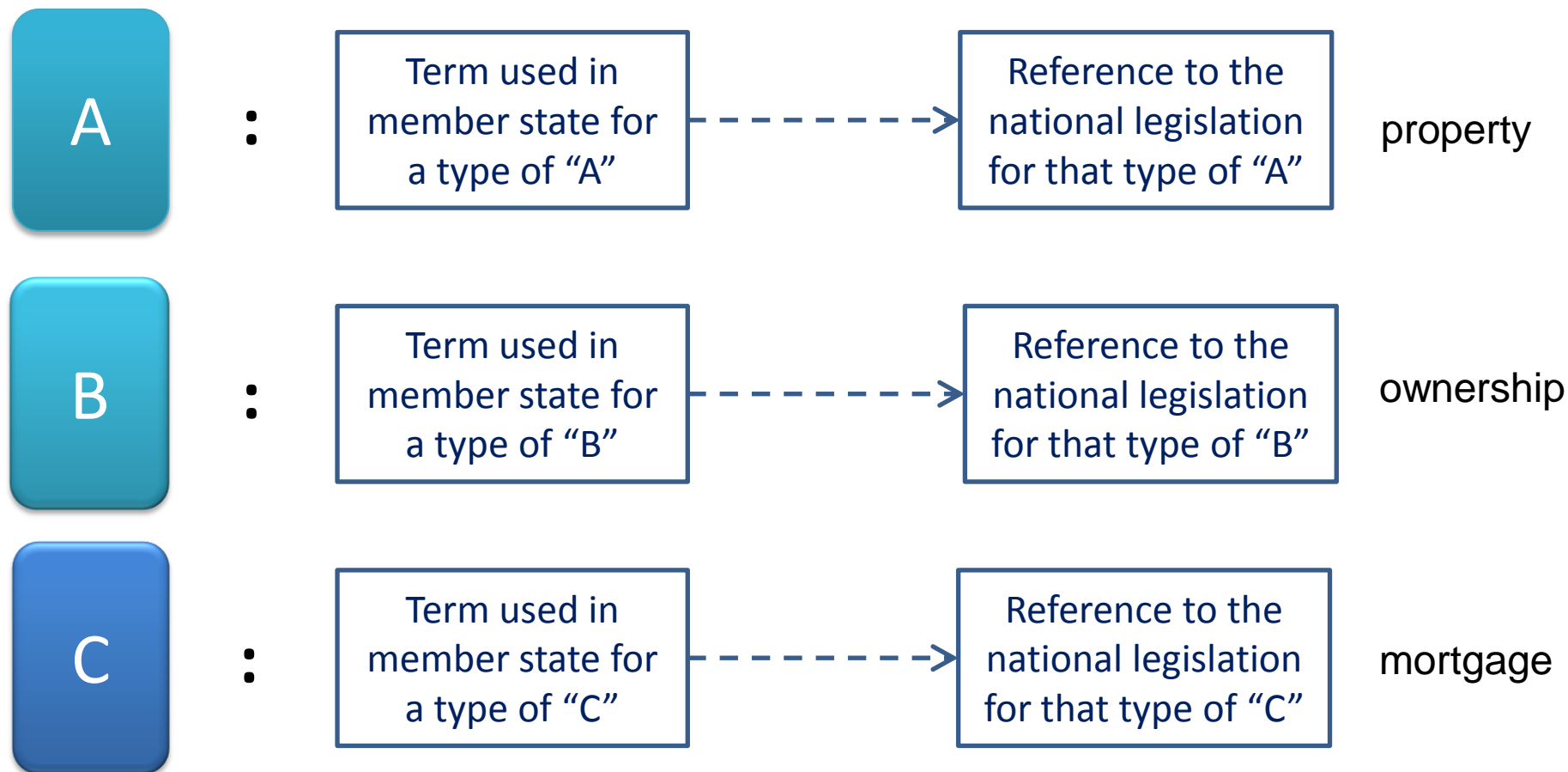
Proposal for the creation of a common
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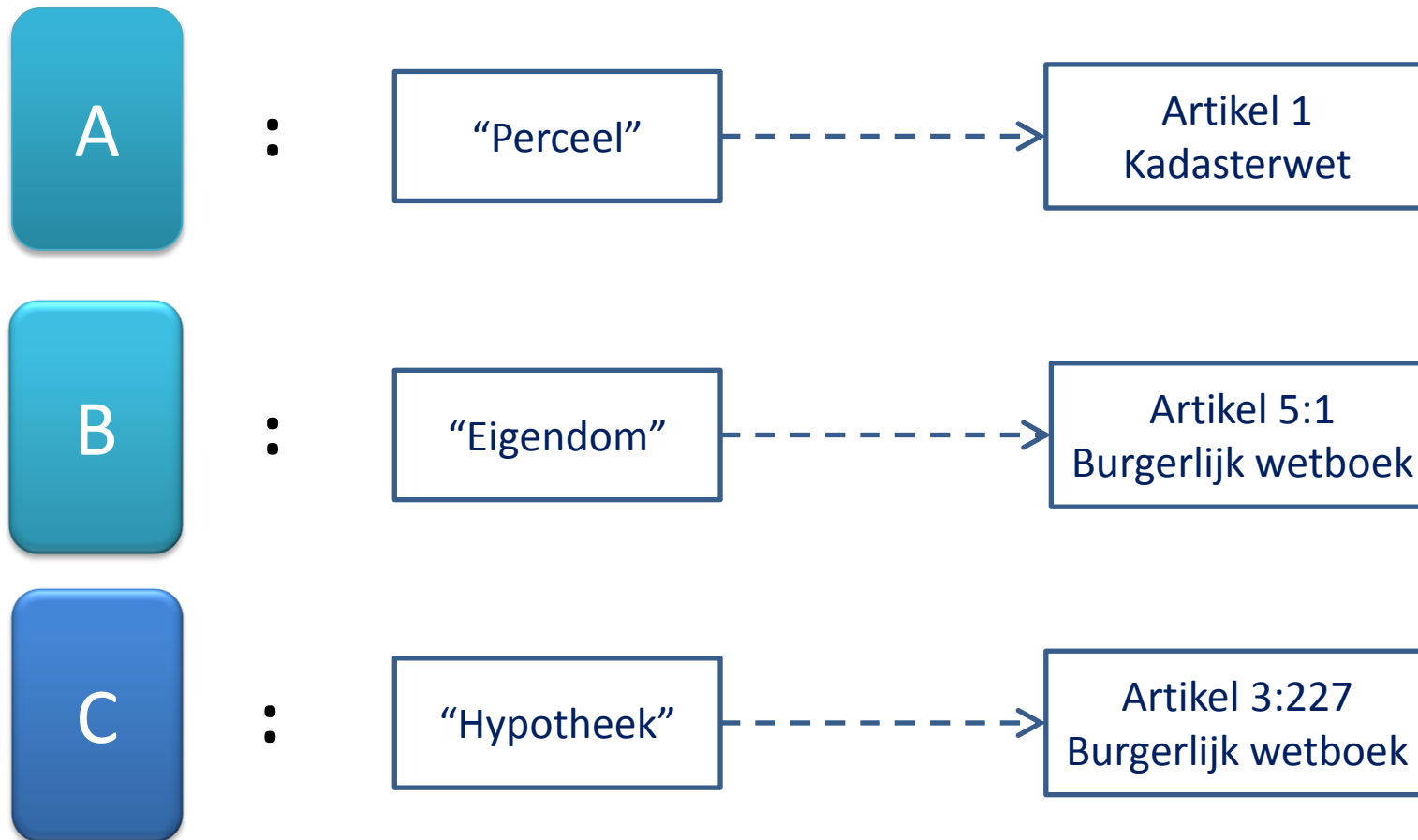
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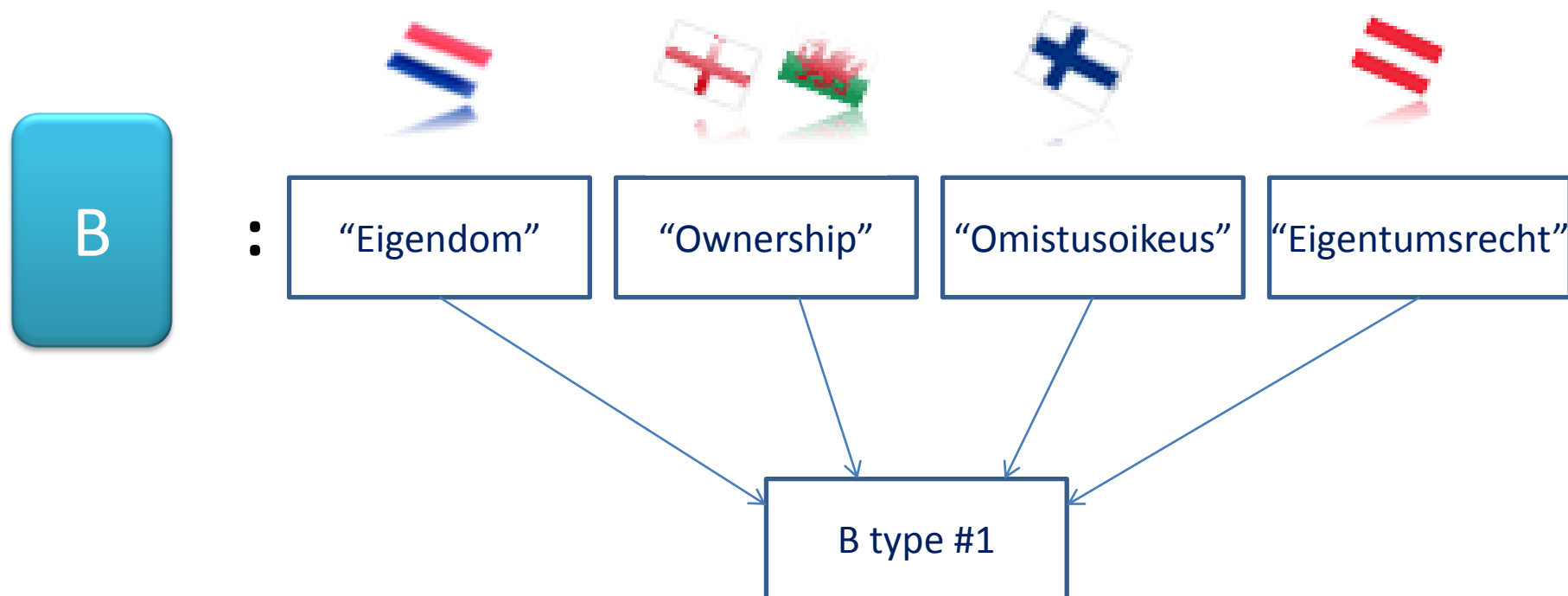
A – B – C in the context of a member state



A – B – C example (Dutch Kadaster)



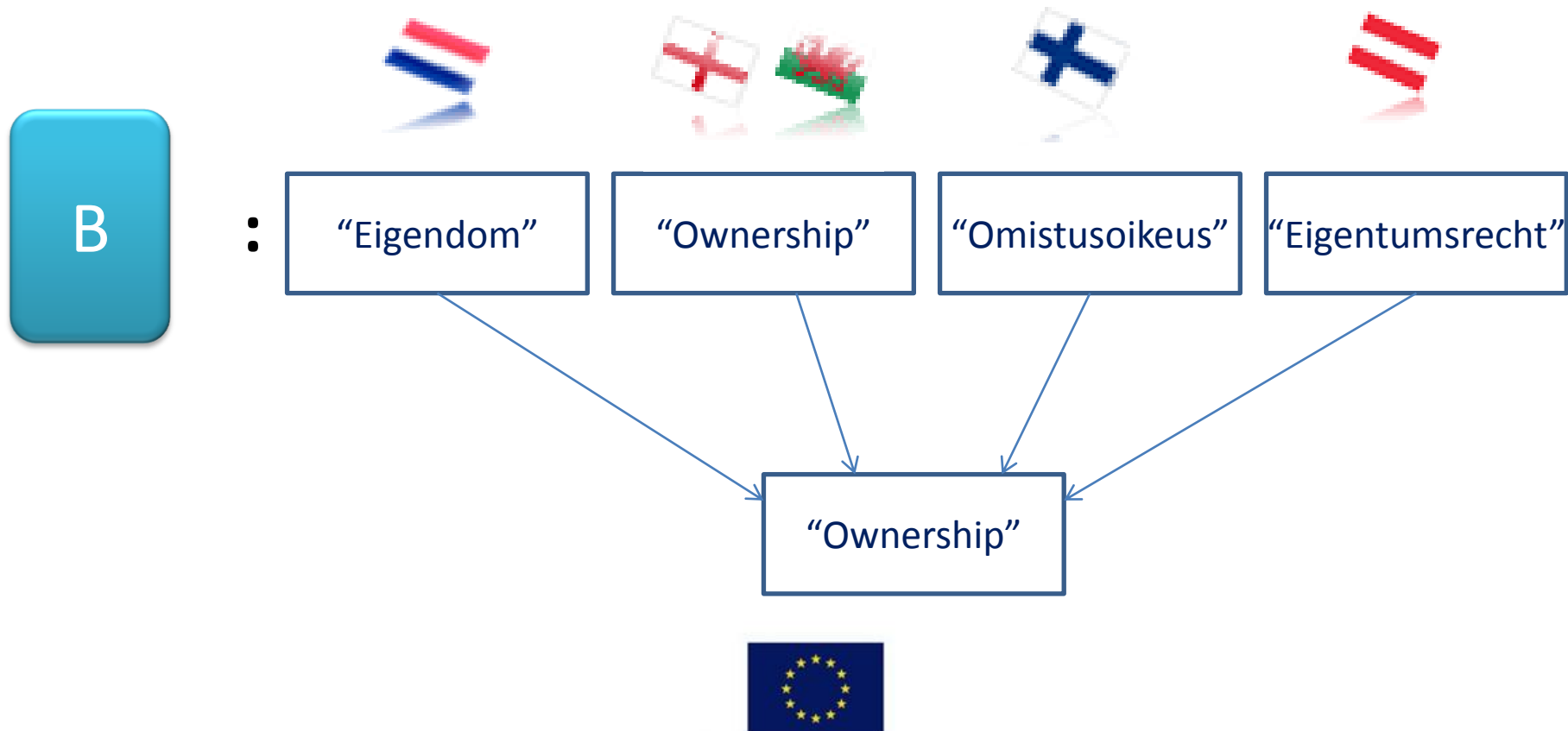
Use a canonical term to link equivalent terms



Discussion: language of the canonical term

English?

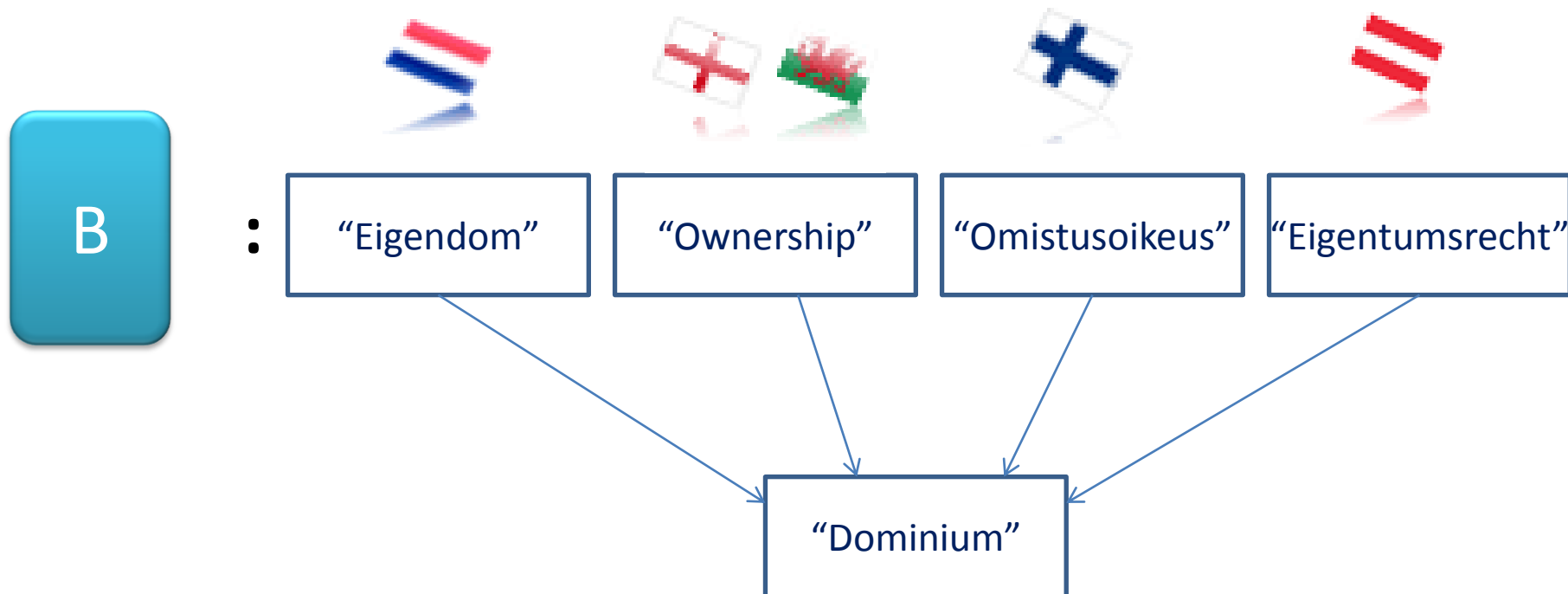
- Pro: readable for a lot of people;
- Con: confusing for UK/Wales (national definitions might be different than canonical)



Discussion: language of the canonical term

Latin?

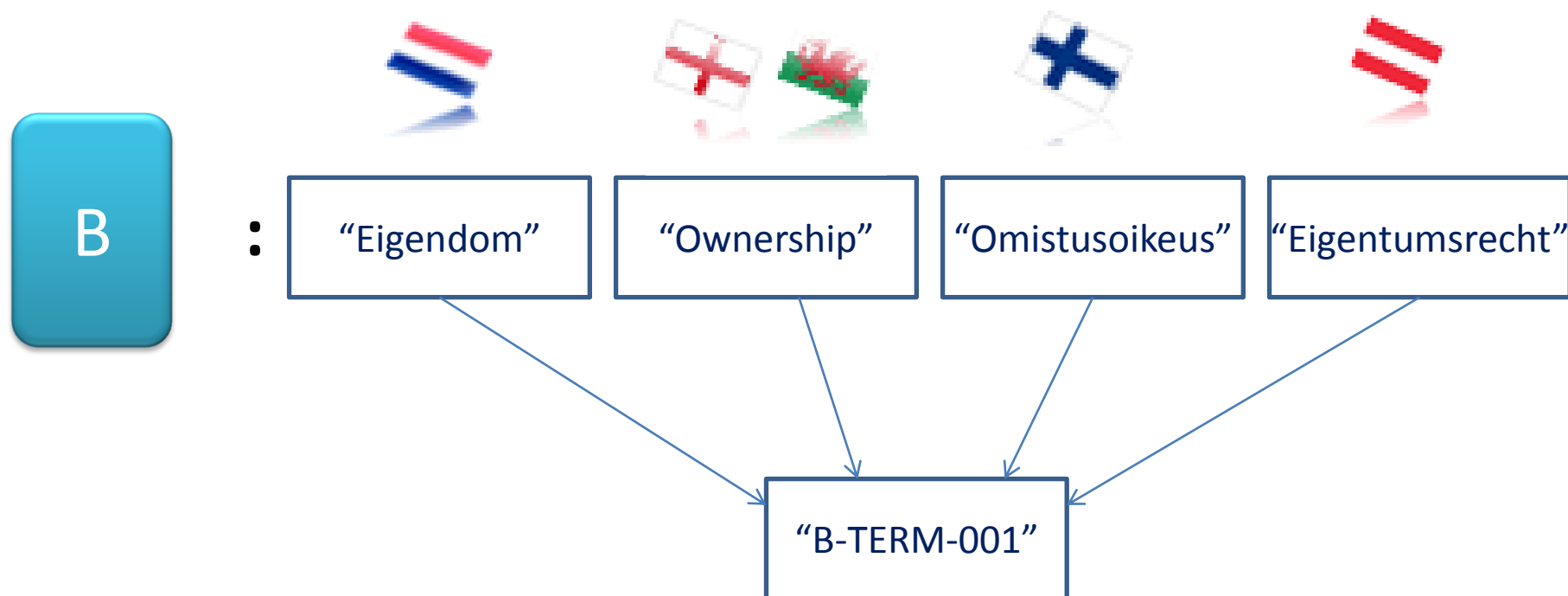
- Pro: no confusion, best practice of biology and medicin;
- Con: unreadable for a lot of people



Discussion: language of the canonical term

Non-language code?

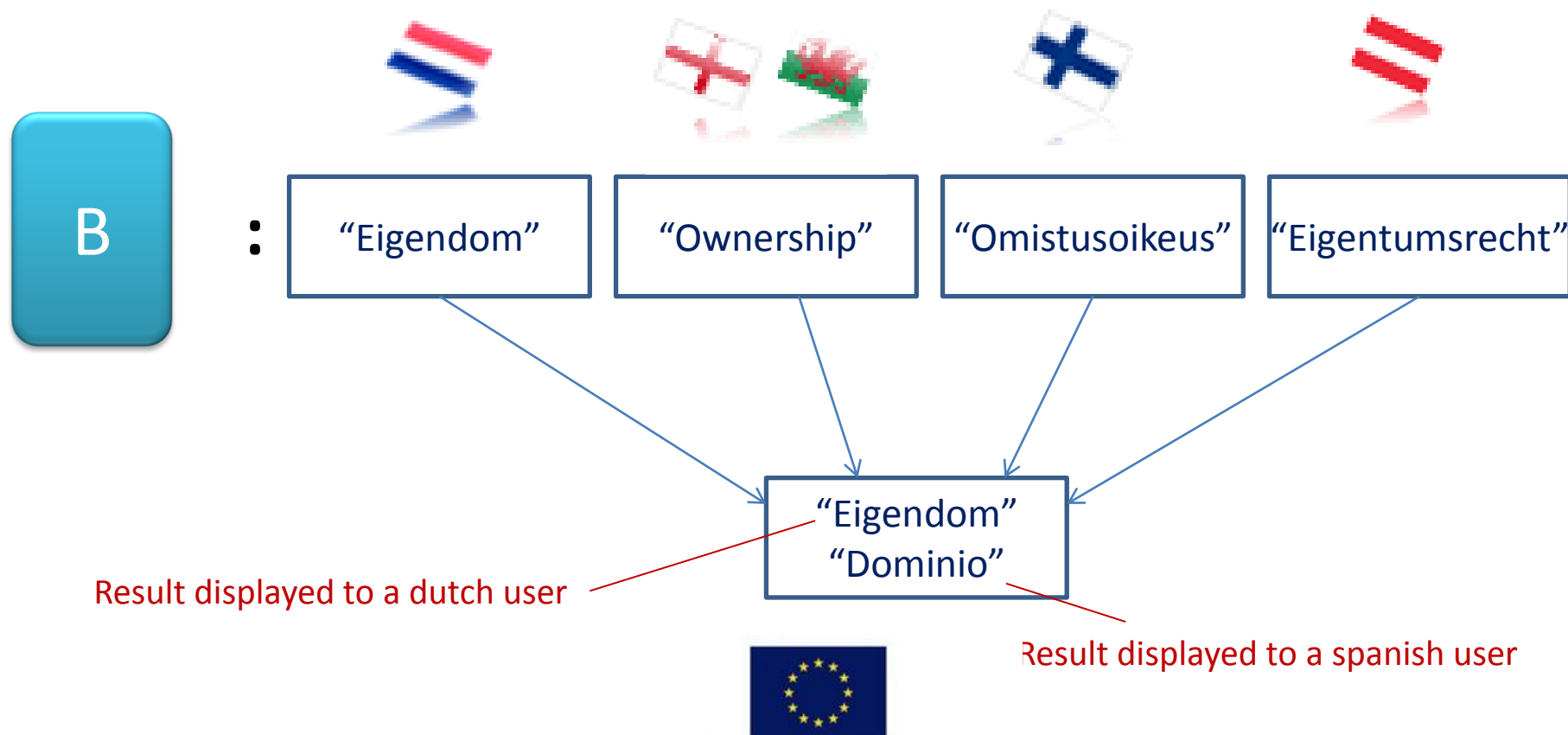
- Pro: no confusion, best practice in computer science;
- Con: unreadable for people



Discussion: language of the canonical term

Dynamically use the preferred language of the user

- Pro: readable for all people
- Pro: no confusion (national definition and canonical term will always match)
- Con: result for the same person or parcel might differ between users



1. Determine national term for six A-B-C's (as a start):
 - eigendom / ownership;
 - hypotheek / mortgage;
 - erfpacht / leasehold;
 - opstal / tenancy;
 - vruchtgebruik / usufruct;
 - Erfdienstbaarheden / servitudes;
2. Refer each term to national legislation.
3. Define the national definition for the term.



Definitions: (national terms are depicted as hyperlinks)

- An [eigendom](#) is the most comprehensive right a [persoon](#) can have over a [zaak](#).
- A [persoon](#) is a human or a business.
- A [zaak](#) is a material object susceptible to human control.

(This definition should include an explanation that the Dutch Land Registry only registers an eigendom for property, registered ships and registered aircrafts).



End result: A-B-C concrete data approach

A

Use common
standard to
describe property

Inspire, vcard
addresse, etc, etc

Refer to national
term with regard
to “A-type”

B

Create common
standard for
description “B’s”

IMOLA

Refer to national
term with regard
to “B-type”

C

Create common
standard for
description “C’s”

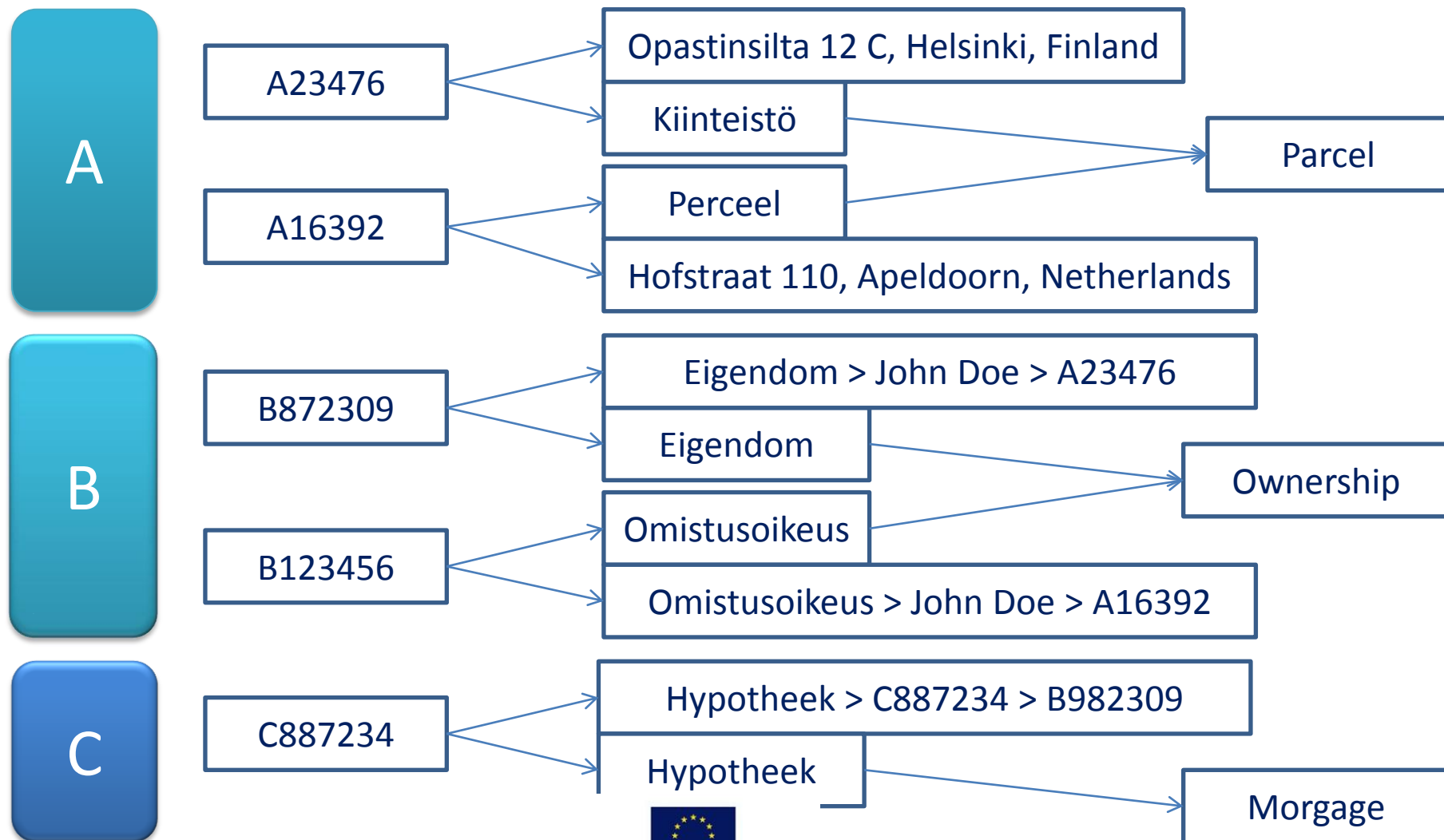
IMOLA

Refer to national
term with regard
to “C-type”

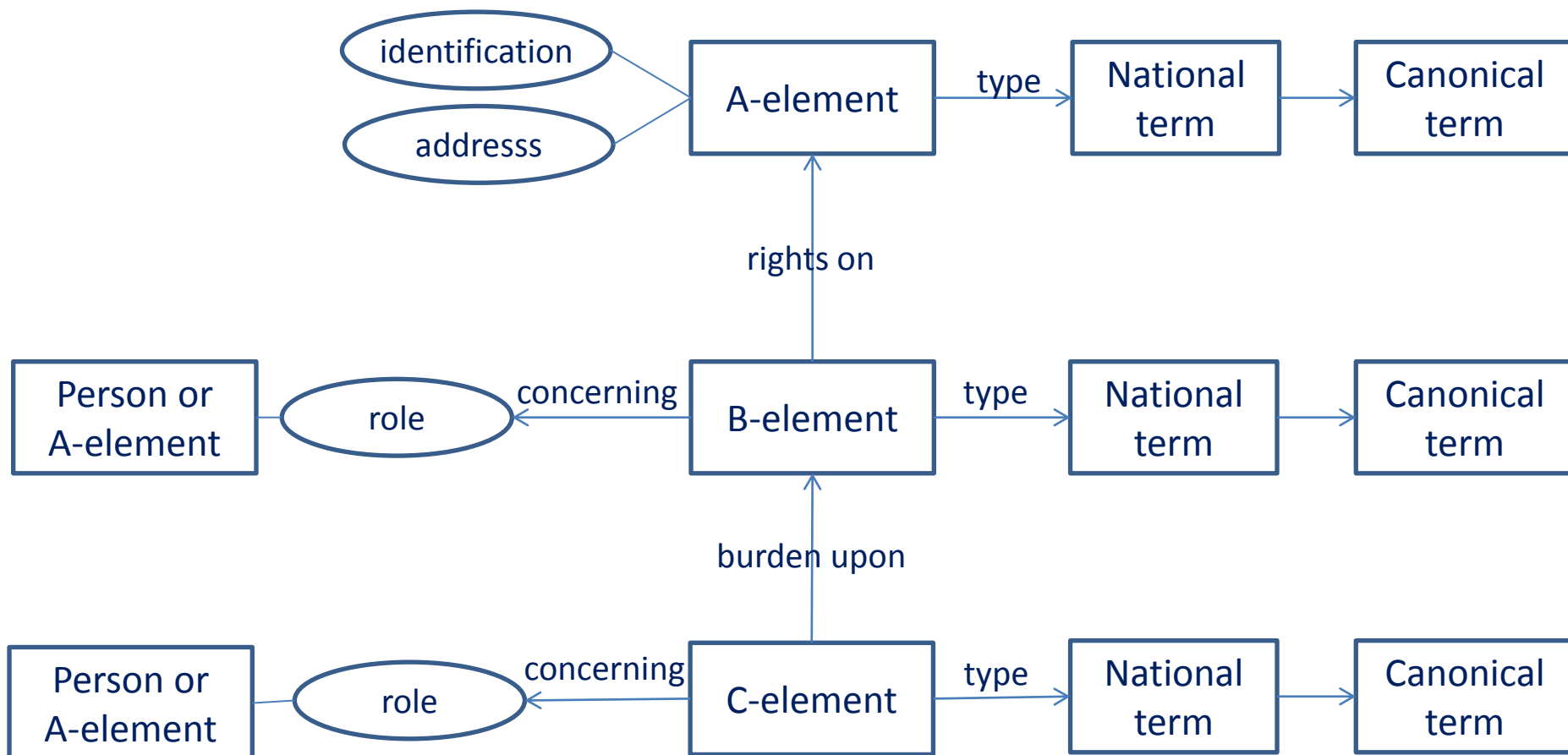


End result: A-B-C concrete data example

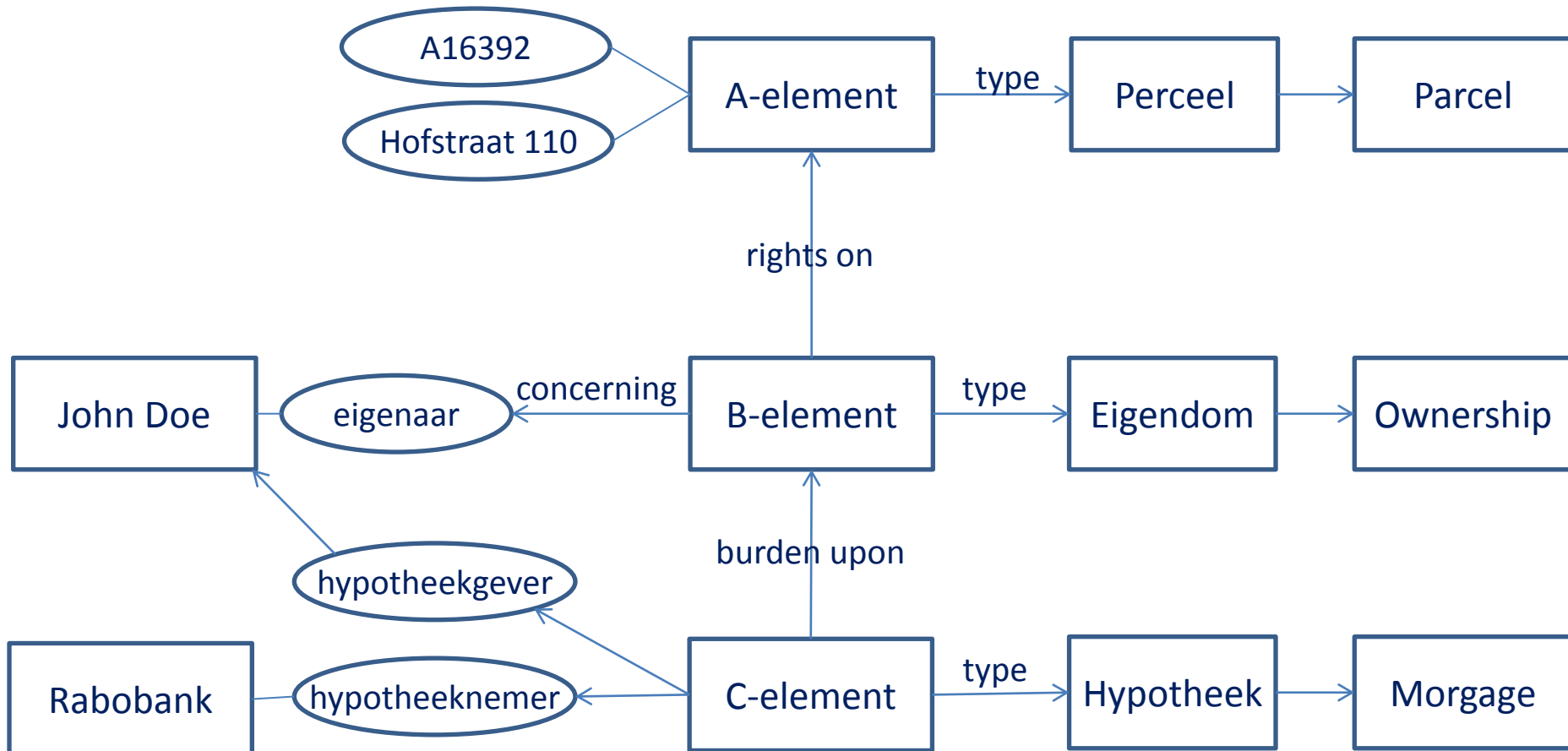
Property of John Doe in two member states (NL, FIN) as viewed by an English user



Minimal information model



Example again



1. Define and explain national rights & terms nationally
2. Discuss and compare (1) in workstream 1
3. Start modelling the outcome (2) in workstream 2



- An eigendom is the most comprehensive right a persoon can have over a zaak.
- A persoon is a human or a business.
- A zaak is a material object susceptible to human control.



Thank you very much for your attention!



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